

# HARSH PANDEY

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🌐 [LinkedIn](#)

🐙 [GitHub](#)

🔗 [LeetCode](#)

🌐 [Portfolio](#)

## EDUCATION

### Institute of Engineering and Management

B.Tech - Computer Science and Engineering (IoT) - CGPA - 9.42

2022 – 2026

Kolkata, India

## Projects

### WroteUs | Real-time Collaborative Whiteboard [↗](#)

Feb 2024 – March 2024

- Next.js, Redux Toolkit, Node.js, Socket.IO, Tailwind CSS, HTML Canvas
- Developed a **real-time collaborative whiteboard** platform enabling seamless drawing and communication, which enhanced productivity for over **50+ active users** through **integrated chat and WebSocket**-based real-time interactions.
- **Utilized Socket.IO** to implement WebSocket protocols for low-latency, bi-directional communication, improving **real-time collaboration speed by 30%**.
- **Leveraged Next.js and Redux Toolkit** to optimize server-side rendering and state management, resulting in a **25% faster load time** and improved scalability for concurrent users.
- [Try it out](#) [Github](#)

### TickrNet | Decentralized Ticket Buying and Selling Platform [↗](#)

July 2024 – Aug 2024

- Next.js, Solidity, Hardhat, Web3.js, Redux Toolkit, Tailwind CSS, Shadcn UI
- **Engineered** a decentralized ticketing platform hosted on **Avalanche Fuji Testnet**, leveraging **Solidity** and **Hardhat** for smart contract development.
- **Designed** an intuitive user interface that simplifies the listing, purchasing, and reselling of event tickets, enhancing user experience and engagement.
- **Integrated wallet connections** for seamless transactions, enabling users to select specific seats and **receive tickets as NFTs** in their wallets, resulting in a streamlined ticketing process.
- [Demo Video](#) [Github](#)

### DevMatchups | Connect Developers Around the World [↗](#)

Aug 2024 – Present

- Next.js, Prisma ORM, PostgreSQL, Redis, Zod, Redux Toolkit, Node.js, Tailwind CSS, Shadcn UI
- **Created** an **open-source platform** enabling developers to connect and find teammates for hackathons, resulting in **100+ users** acquired through *Product Hunt* within the first month.
- **Implemented** Next Auth for secure authentication via Google and GitHub, creating **personalized dashboards** based on user profiles to enhance user engagement.
- **Designed** a modern, responsive user interface that prioritizes user experience, adapting seamlessly across devices and improving user retention.
- [Try it out](#) [Github](#)

## Technical Skills

**Languages:** JavaScript, C/C++, HTML/CSS, Python

**Frameworks:** React, Node.js, Next.js, Tailwind CSS, Langchain, REST API, GraphQL

**Developer Tools:** Git, GitHub, Docker, Visual Studio, Postman

**Database/ORM:** MongoDB, Mongoose, Prisma, PostgreSQL, MySQL, Redis

## Achievements

- **Web Development Lead**, GDG IEM (2024 – 2025): Spearheading web development initiatives and leading a team of developers to create impactful projects and enhance community engagement.
- **Runner-up**, Hack4Bengal 3.0: Achieved recognition for the **Best Built on Avalanche Track**.
- Participated in **5+ hackathons**.
- Secured **3rd position** in Hackoasis 1.0 building cybersecurity threat detection system.